

## ABSTRACT

Scheme for processing an input signal  $A(t)$  by  $N$  resonators (17), each having parameters characterizing it, to generate  $N$  individual output signals. Then each of the  $N$  individual output signals is weighted using a corresponding weight to generate  $N$  individual weighted output signals which are superposed to obtain  $M$  output signals  $C(t)$ . One of the parameters or the weight depend on a time signal  $P(t)$ .

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20 (Figure 1C)